# GEOGRAPHIC MEANS TEST (GMT)

# INSTALLATION GUIDE

## DG_53_P454.KID
## EAS_1_P13.KID

## November 2002

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# Introduction

## *Overview*

On January 23, 2002, President Bush signed Public Law 107-135, The Department of Veterans Affairs Health Care Programs Enhancement Act of 2001.  Section 202 of this Act requires the implementation of HUD indices to determine geographic income thresholds in support of more discrete means testing.  Veterans in Priority Group 7 are eligible for treatment as a low-income family under section 3(b) of the United States Housing Act of 1973 (42 U.S.C. 1437a(b)) for the area in which such veterans reside, regardless of whether such veterans are treated as single person families under paragraph (3)(A) of such section 3(b) or as families under paragraph (3)(b).  This Act also established   Priority Group 8 for any veterans described in section 1710(a)(3) of titles 38 U.S.C. who are not covered by Priority Group 7.

The Geographic Means Testing (GMT) project introduces the following enhancements to the V*IST*A and HEC Legacy systems to support the requirements of the new regulation.

- Storage of the U.S. Department of Housing and Urban Development (HUD) indices
- Utilization of the HUD indices to determine the GMT Threshold based on the veteran's address
- ZIP Code linking so that the entry of the zip code in the veteran's address automatically populates the CITY, STATE and COUNTY Fields
- Creation of a new means test status, GMT Copay Required, and the calculations needed to assign this new status based on the GMT Threshold
- Means Test Status Category A has been changed to MT Copay Exempt.
- Means Test Status Category C, has been changed to MT Copay Required.
- Creation of the new Priority Group 8 and the modifications to the logic for determining a veteran's enrollment priority.  The changes include the new rules for assigning Priority Group 7 and 8.
- Modifications to HL7 messages to accommodate the transmission of new data fields between the VAMCs and the HEC

## *Purpose*

The purpose of this installation guide document is to provide guidance to technical staff who will be installing and maintaining the GMT software.

## *Related Manuals*

- Revised Admission Discharge Transfer (ADT) Registration Menu User Manual (DG_5_3_P454_UM.PDF)
- GMT Technical Manual (DG_5_3_P454_TM.PDF)
- GMT Release Notes (DG_5_3_P454_RN.PDF)
- Revised IVM V. 2.0 Technical Manual (IVM_2_P58_TM.PDF)
- GMT Copay Release Notes (IB_2_P183_RN.PDF)

# Preinstallation Considerations

## *Patch Installation Sequence*

Implementation will require each site to install a series of patches in a sequential manner with approximately three to five working days to install the patches at each step. Synchronized national install timing is critical, as implementation cannot proceed from one step to the next step until all VAMCs have successfully completed each step. Due to the data conversion and billing components, there can be no exception to this requirement. It is critical that all sites promptly install the GMT patches in the order specified in the following table.

| Step | Patches | Release to NVS | National Release to Field | Compliance Date | Comments |
|---|---|---|---|---|---|
| 1 | **IB Part 1**<br>IB*2.0*179 | 9/20/02 | 9/25/02 | 9/30/02 | Effective Date: 10/1/02 |
| 2 | **AI Kernel**<br>XU*8*246<br><br>*The following patches are being released in HOST file DG_53_P454.KID:*<br><br>**Enrollment V*IST*A Part 1**<br>DG *5.3*454<br>IVM*2*58<br><br>**PIMS**<br>DG*5.3*466<br>SD*5.3*258 | 11/25/02 | 12/2/2002 | 12/4/2002 | 1. Release Kernel patch first; sites must install before PIMS & Enrollment patches.<br>2. Release PIMS & Enrollment patches in HOST file DG_53_P454.KID.<br>3. NVS sends patches to Hines Anonymous directory 11/29 and monitors replication to Albany & SLC servers 11/30 – 12/1.<br>4. Project Implementation Team will contact sites not in compliance on 12/5/02. |
| 3 | **HEC Legacy**<br>IVMB*2*686 | N/A | **Release to HEC Production 12/9/02** | 12/11/02 | Monitor in HEC production 12/9-10-11 |
| 4 | *The following files are being released in HOST file EAS_1_P13.KID:*<br><br>**Enrollment V*IST*A Part 2**<br>EAS*1*13<br>DG*5.3*456<br>IVM*2*62<br><br>**IB Part 2**<br>IB*2.0*183<br>PRCA*4.5*181 | 12/5/02 | 12/16/02 | 12/19/02 | 1. Release PIMS & Enrollment patches in HOST file EAS_1_P13.KID.<br>**2.** NVS sends patches to Hines Anonymous directory 12/13 and monitors replication to Albany & SLC servers 12/13 – 12/14.<br>**3.** Project Implementation Team will contact sites not in compliance on 12/20/02. |
| 5 | *All patches listed in Steps 1 – 4 above must be operational at sites on 1/03/03* | | | | |
| **6** | IVM*2*67<br>DG*5.3*481<br>IB*2.0*202 | Approximately 2 weeks after conversion completion (date TBD) | TBD | TBD | Clean up patches to remove code no longer used after GMT conversion completes. Patches will be released in a HOST file. |

## *User Access to the GMT Menu Options*

Users can access the GMT menu options as follows:

*GMT Threshold Lookup by ZIP Code*
- Registration Menu / Means Test User Menu
- Means Test Supervisor Menu

*View Patient Address*
Registration Menu / View Patient Address

## *Other Software Versions Required*

Your system must be running the following minimum software versions or higher to successfully implement and operate the GMT software:

- Patient Information Management Systems (PIMS) V. 5.3
- Integrated Billing (IB) V. 2.0
- Accounts Receivable (AR) V. 4.5
- VA FileMan V. 22.0
- VA MailMan V. 8.0
- Kernel V. 8.0
- V*ISTA* HL7 V. 1.6

## *Routine Lists with Before Checksums*

The following list of routines with before checksums are identified by patch number, and follow the patch installation sequence shown in the Patch Installation Sequence table in the Preinstallation Considerations section of this document.

*Important Note:* If your site is an alpha test site for the Race and Ethnicity and/or Patient Name Standardization projects, the checksums might vary for routines DGRPE and DGPTFVC1.

*Patch XU\*8\*246*

| Routine Name | Before Patch |
|---|---|
| XIPUTIL | N/A |
| XU8P246 | N/A |
| XUMF512F | N/A |
| XUMFP | 1862290 |
| XUMFP512 | N/A |
| XUMFP513 | N/A |

Routine Lists with Before Checksums, continued

*Patch SD\*5.3\*258*

| Routine Name | Before Patch |
|---|---|
| SCDXUTL0 | 7740472 |
| SCMSVUT1 | 2998388 |
| SCRPW43 | 19409813 |
| SCRPW54 | 23034784 |
| SDAM10 | 4012713 |
| SDAMEP2 | 6257643 |
| SDUTL2 | 6029453 |

*Patch DG\*5.3\*466*

| Routine Name | Before Patch |
|---|---|
| DGPT10CB | 1867590 |
| DGPTAE01 | 3317405 |
| DGPTAE02 | 5673177 |
| DGPTFVC1 | 14526668 |
| DGPTUTL | 8821043 |
| VAFHLZIR | 6591017 |

*Patch DG\*5.3\*454*

| Routine Name | Before Patch |
|---|---|
| DG53454P | N/A |
| DGENA3 | 20194026 |
| DGENEGT1 | 8537062 |
| DGMTU4 | 10288438 |
| DGMTUTL | 4449979 |
| DGREGDD1 | 2633914 |
| DGRPCE1 | 2920059 |
| DGRPE | 18872030 |

*Patch IVM\*2\*58*

| Routine Name | Before Patch |
|---|---|
| IVMCM6 | 16707132 |
| IVMCME | 4197356 |
| IVMCME4 | 8230557 |
| IVMCME5 | 12318459 |
| IVMCZMT | 13292541 |
| IVMLDEM6 | 7399318 |
| IVMPREC6 | 6620465 |
| IVMPREC8 | 5532467 |
| IVMPREC9 | 1073525 |
| IVMPRECA | 7451508 |
| IVMPTRN9 | 9104406 |
| IVMPTRNA | 2648920 |

Routine Lists with Before Checksums, continued

## *Patch IB\*2.0\*183*

| Routine Name | Before Patch |
|---|---|
| IBRFN | 3991903 |
| IBAGMM | N/A |
| IBAGMM1 | N/A |
| IBAGMR | N/A |
| IBAGMR1 | N/A |
| IBAGMT | 1485964 |
| IBAMTD1 | 3840699 |
| IBAMTV3 | 4767675 |
| IBATOP | 9529210 |
| IBAUTL2 | 4115995 |
| IBAUTL4 | 12324932 |
| IBCNBLL | 16963289 |
| IBCOMC1 | 6226404 |
| IBECEA2 | 11544190 |
| IBECEA21 | 10310605 |
| IBECEA22 | 4164351 |
| IBECEA3 | 17237734 |
| IBECEAU3 | 3504210 |
| IBECEAU4 | 6667463 |
| IBOMTE | 5481552 |
| IBOMTE1 | 7629098 |
| IBOMTE2 | 3031067 |
| IBEMTO | 7207765 |
| IBEMTO1 | 6889786 |
| IBOMTP1 | 8516689 |
| IBOBCR6 | 5232745 |
| IBJTEA | 6330334 |
| IBJTLA1 | 3894356 |
| IBOSTUS1 | 9923991 |

## *Patch PRCA\*4.5\*181*

| Routine Name | Before Patch |
|---|---|
| PRCAGST | 5639566 |
| PRCAGU | 5343760 |
| RCCPCPS | 20119700 |

## *Patch EAS\*1\*13*

| Routine Name | Before Patch |
|---|---|
| EASAILK | N/A |
| EASGTLKP | N/A |
| EASMTRP1 | 6480721 |
| EASSIGDT | 11749194 |
| EASSIGOV | 7364604 |
| EAS113P | N/A |
| EASAILK1 | N/A |

Routine Lists with Before Checksums, continued

### *Patch DG\*5.3\*456*

| Routine Name | Before Patch |
|---|---|
| DG53456P | N/A |
| DGENA3 | 20547437 |
| DGENELA4 | 11623000 |
| DGENRPA2 | 5177461 |
| DGENRPT1 | 7164740 |
| DGENRPT2 | 10506359 |
| DGENRPT3 | 9241194 |
| DGENRPT4 | 12621855 |
| DGMTDD | 5352672 |
| DGMTEO | 4567628 |
| DGMTH | 5313060 |
| DGMTHL1 | 11896104 |
| DGMTOREQ | 8233525 |
| DGMTR | 11086376 |
| DGMTR1 | 9043040 |
| DGMTSC4 | 6585543 |
| DGMTSCC | 14012029 |
| DGMTSCU | 3843068 |
| DGMTSCU2 | 4246859 |
| DGMTU | 15298997 |
| DGMTU23 | 10345568 |
| DGMTU4 | 10359057 |
| DGMTUB | 3016924 |

### IVM\*2\*62

| Routine Name | Before Patch |
|---|---|
| IVMCM6 | 17164423 |
| IVMCME4 | 8691217 |
| IVMCME5 | 12389015 |
| IVMCUC | 2799863 |
| IVMRMCR1 | 10381592 |

# Installation Instructions

The installation instructions in this section follow the sequence shown in the Patch Installation Sequence table in the Preinstallation Considerations section of this document.

**Installation Step 1**
IB Part 1, IB*2*179, was released to NVS 9/25/02, and installed at sites 9/30/02, with an effective date of 10/1/02.

**Installation Step 2**
*Address Indexing Kernel patch*
Refer to XU*8*246 patch description for installation instructions.

*Enrollment VISTA Part 1 Installation Instructions*
HOST file DG_53_P454.KID contains the following four KIDS builds:
- DG*5.3*454
- IVM*2*58
- DG*5.3*466
- SD*5.3*258

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### A T T E N T I O N

**It is recommended this patch be installed outside of normal business hours to avoid any complications resulting from users on the system.  Installation will take less than 10 minutes.**

**This patch should NOT be installed while the IVM BACKGROUND JOB [IVM BACKGROUND JOB] is running.**

**In order to prevent missing HL7 traffic while this patch is being installed, TaskMan should be placed in a wait state.**

**This software distribution requires the following patches be installed:**

**DG*5.3*342**
**DG*5.3*347**
**DG*5.3*417**
**DG*5.3*470**
**DG*5.3*482**
**IVM*2*34**
**IVM*2*46**
**IVM*2*49**
**XU*8*246**

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1.  Download the KIDS file DG_53_P454.KID from the ANONYMOUS.SOFTWARE directory of either Albany, Hines, or the Salt Lake CIOFO to the appropriate directory on your system.

2.  Use the "LOAD A DISTRIBUTION" option on the KIDS INSTALLATION menu, and enter:  **DG_53_P454.KID**

3. Review your mapped set. If any of the routines listed in the ROUTINE SUMMARY section of patches DG*5.3*454, IVM*2*58, DG*5.3*466, SD*5.3*258 are mapped, remove them from the mapped set at this time.

4. From the **Kernel Installation & Distribution System** menu, select the **Installation** menu.

5. From this menu, you may elect to use the following options (when prompted for INSTALL NAME, enter **DG*5.3*454**).

   a) Backup a Transport Global - This option will create a backup message of any routines exported with the patch. It will NOT backup any other changes such as DDs or templates.
   b) Compare Transport Global to Current System - This option will allow you to view all changes that will be made when the patch is installed. It compares all components of the patch (routines, DDs, templates, etc.).
   c) Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.
   d) Print Transport Global - This option will allow you to view the components of the KIDS build.

6. Use the **Install Package(s)** option and select **DG*5.3*454**.

7. At the "Want KIDS to INHIBIT Logon's during the install? YES//" prompt, respond **NO**.

8. At the "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//" prompt, respond **YES**. When prompted to select the options you would like to place out of order, enter the following:

| Option Name | Menu Text |
|---|---|
| DG PTF BACKGROUND JOB | PTF Background Job |
| DG PTF SCREEN | Load/Edit PTF Data |
| DG PTF TRANSMISSION VADATS | PTF Transmission |
| IVM BACKGROUND JOB | IVM Background Job |
| SDAM APPT CHECK IN/OUT | Appointment Check-in/Check-out |
| SDAM APPT MGT | Appointment Management |
| SCDX AMBCAR RETRANS SEL REJ | Selective Retransmission of NPCDB Rejection |
| SCDX AMBCAR NIGHTLY XMIT | Ambulatory Care Nightly Transmission to NPCDB |
| SCDX AMBCAR REPORTING | Ambulatory Care Reporting Menu |
| SCDX AMBCAR RETRANS BY DATE | Retransmit Ambulatory Care Data by Date Range |
| SCDX AMBCAR RETRANS ERROR | Retransmit Selected Error Code |
| SCRPW DVM MEANS TEST SUMMARY | Means Test Visits & Uniques (OP3,OP4, OP5) |
| SCRPW MT/ELIG/ENROLLMENT RPT | Means Test/Eligibility/Enrollment Report |

9. If routines were unmapped as part of Step 3, return them to the mapped set once the installation has run to completion.

10. Return TaskMan to its normal state.

*Installation Step 3*
HEC Legacy, IVMB*2*686 – to be installed at the HEC only; contains the functionality for the one-time GMT conversion.

*Installation Step 4 - IB Part 2*
HOST file EAS_1_P13.KID contains the following five KIDS builds:
- EAS*1*13
- DG*5.3*456
- IVM*2*62
- IB*2.0*183
- PRCA*4.5*181

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### A T T E N T I O N

**It is recommended this patch be installed outside of normal business hours to avoid any complications resulting from users on the system.  Installation will take less than 20 minutes.**

**This patch should NOT be installed while the IVM BACKGROUND JOB [IVM BACKGROUND JOB] is running.**

**In order to prevent missing HL7 traffic while this patch is being installed, TaskMan should be placed in a wait state.**

**This software distribution requires the following patches be installed:**

**DG*5.3*454**
**IVM*2*58**
**IB*2*188**

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1. Download the KIDS file EAS_1_P13.KID from the ANONYMOUS.SOFTWARE directory of either Albany, Hines, or the Salt Lake CIOFO to the appropriate directory on your system.

2. Use the "**Load A Distribution**" option on the KIDS INSTALLATION menu, and enter: **EAS_1_P13.KID**

3. Review your mapped set.  If any of the routines listed in the ROUTINE SUMMARY section of patches EAS*1*13, DG*5.3*456, IVM*2*62, PRCA*4.5*181, or IB*2*183 are mapped, remove them from the mapped set at this time.

4. From the **Kernel Installation & Distribution System** menu, select the **Installation** menu. From this menu, you may elect to use the following options (when prompted for Install Name, enter **EAS*1.0*13**).

   a) Backup a Transport Global - This option will create a backup message of any routines exported with the patch.  It will NOT backup any other changes such as DDs or templates.
   b) Compare Transport Global to Current System - This option will allow you to view all changes that will be made when the patch is installed.  It compares all components of the patch (routines, DDs, templates, etc.).
   c) Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.
   d) Print Transport Global - This option will allow you to view the components of the KIDS build.

5. Use the **Install Package(s)** option, and select **EAS*1.0*13**.

6. At the "Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//" prompt, respond **NO**.  The trees will be rebuilt the next time the system does this task.

7. At the "Want KIDS to INHIBIT Logon's during the install? YES//" prompt, respond **NO**.

8. At the "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//" prompt, respond **YES**.  At the When prompted to select the options you would like to place out of order, enter **IVM Background Job**.

9. If routines were unmapped as part of Step 3, they should be returned to the mapped set once the installation has run to completion.

10. Return TaskMan to its normal state.

*Installation Step 5*
Verify that **all** V*IST*A patches in Steps 1 – 4 above are operational at **all** sites by 1/3/03.

*Installation Step 6*
The following patches will be released after the HEC conversion completes to turn off the functionality that is no longer needed.
IVM*2*67
DG*5.3*481
IB*2.0*202